



Atty Dkt No. 8500-0264.10
SRI No. US-4575-3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ling JONG et al.

Confirmation No.: Unassigned

Serial No.: 10/772,036

Group Art Unit: Unassigned

Filing Date: February 3, 2004

Examiner: Unassigned

Title: ANALOGS OF INDOLE-3-CARBINOL METABOLITES AS
CHEMOTHERAPEUTIC AND CHEMOPREVENTIVE AGENTS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND CERTIFICATION UNDER 37 CFR § 1.97(e)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is a Supplemental Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

The references listed below were cited in an International (PCT) Search Report dated February 12, 2004, for the PCT application corresponding to the above-identified U.S. patent application. A copy of the Search Report, including an indication of the purported relevance of the cited references, is enclosed. Copies of the references are also submitted herewith.

A PTO-1449 form listing the references accompanies this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record. The references are as follows:

NONPATENT DOCUMENTS

AYGÜN et al. (2003), "Synthesis and Biological Evaluation of Structural Variants of Carbazooquinolin C," *Journal of Heterocyclic Chemistry* 40(3):411-417.

BLACK et al. (1993), "Calix[3]indoles, New Macrocyclic Tris(indolylmethylene) Compounds with 2,7-Linkages," *J. Chem. Soc., Chem. Commun.*, 10:819-821.

BLACK et al. (1995), "Synthesis of Indolo[3,2-*b*]carbazoles from 4,6-Dimethoxyindole and Aryl Aldehydes," *Tetrahedron* 51(43):11801-11808.

HINO et al. (1973), "Preparation of 3-Substituted 2-Indolinethiones via Diindolyl Disulfides. Reaction of 3-Substituted Indoles with Sulfur Monochloride," *Chemical & Pharmaceutical Bulletin* 21(12):2739-2748 (abstract only).

NONPATENT DOCUMENTS
HINO et al. (1974), "Reaction of Skatole with Iodine in the Presence of Thiourea," <i>Chemical & Pharmaceutical Bulletin</i> <u>22</u> (11): 2728-2731 (abstract only).
HÜNIG et al. (1976), "Synthese Vinylloger und Azavinylloger Redoxsysteme Mit Indolylresten Als Endgruppen," <i>Liebigs Ann. Chem.</i> <u>6</u> :1039-1059.
JACKSON et al. (1987), "Electrophilic Substitution in Indoles. Part 15. The Reaction Between Methylenedi-indoles and <i>p</i> -Nitrobenzenediazonium Fluoroborate," <i>J. Chem. Soc. Perkin Trans. I</i> <u>11</u> :2543-2551.
LAU et al. (1986), "Reductive Deoxygenation of Aryl Aldehydes and Ketones and Benzylic, Allylic, and Tertiary Alcohols by ZnI ₂ -NaCNBH ₃ ," <i>J. Org. Chem.</i> <u>51</u> (15):3038-3043.
NAPOLITANO et al. (1993), "Oxidation Chemistry of 5,6-Dihydroxy-2-methylindole," <i>Tetrahedron</i> <u>49</u> (40):9143-9150.
PINDUR et al. (1987), "Reaktivität und Reaktionswege von Methylsubstituierten Bisindolylcarbenium-Ionen," <i>Journal of Heterocyclic Chemistry</i> <u>24</u> (1):159-163.
VON DOBENECK et al. (1969), " α . β '-Diindolylmethane und -Methene. Der Urrosein-Chromophor," <i>Chemische Berichte</i> . <u>102</u> (4):1347-1356.
WILLE et al. (2001), "Malassezin-A Novel Agonist of the Arylhydrocarbon Receptor from the Yeast <i>Malassezia furfur</i> ," <i>Bioorganic & Medicinal Chemistry</i> <u>9</u> :955-960.

This Supplemental Information Disclosure Statement is not intended as a representation that additional information material to the examination of this application does not exist or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As this Supplemental Information Disclosure Statement is being filed within three months of the date of the International Search Report (i.e, February 12, 2004), no fee is required at this time. If, for any reason, a fee is found to be necessary, our Deposit Account No. 18-0580 may be charged therefor.

The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a

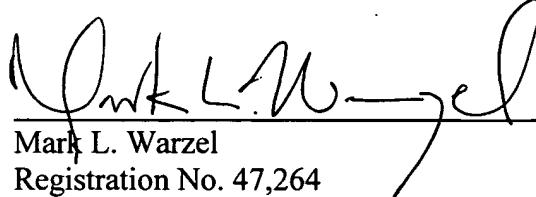


Atty Dkt No. 8500-0264.10
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counterpart foreign application not more than three months prior to the filing of this Statement
(37 CFR § 1.97(e)(1)).

Respectfully submitted,

By:


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CERTIFICATE OF MAILING:

I hereby certify that this correspondence is being deposited with the United States Patent and Trademark Office with sufficient postage as first class mail in an envelope address to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 1, 2004.

Name: Will Sayo
Date: March 1, 2004

Signature: 

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/772,036
Filing Date	February 3, 2004
First Named Inventor	Ling JONG et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	8500-0264.10

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	BE	AYGÜN et al. (2003), "Synthesis and Biological Evaluation of Structural Variants of Carbazoquinocin C," <i>Journal of Heterocyclic Chemistry</i> 40(3):411-417.
	BF	BLACK et al. (1993), "Calix[3]indoles, New Macrocyclic Tris(indolylmethylene) Compounds with 2,7-Linkages," <i>J. Chem. Soc., Chem. Commun.</i> , 10:819-821.
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	BH	HINO et al. (1973), "Preparation of 3-Substituted 2-Indolinethiones via Diindolyl Disulfides. Reaction of 3-Substituted Indoles with Sulfur Monochloride," <i>Chemical & Pharmaceutical Bulletin</i> 21(12):2739-2748 (abstract only).
	BI	HINO et al. (1974), "Reaction of Skatole with Iodine in the Presence of Thiourea," <i>Chemical & Pharmaceutical Bulletin</i> 22(11): 2728-2731 (abstract only).
	BJ	HÜNIG et al. (1976), "Synthese Vinyloger und Azavinyloger Redoxsysteme Mit Indolylresten Als Endgruppen," <i>Liebigs Ann. Chem.</i> 6:1039-1059.
	BK	JACKSON et al. (1987), "Electrophilic Substitution in Indoles. Part 15. The Reaction Between Methylenedi-indoles and <i>p</i> -Nitrobenzenediazonium Fluoroborate," <i>J. Chem. Soc. Perkin Trans. I</i> 11:2543-2551.
	BL	LAU et al. (1986), "Reductive Deoxygenation of Aryl Aldehydes and Ketones and Benzylidic, Allylic, and Tertiary Alcohols by ZnI ₂ -NaCNBH ₃ ," <i>J. Org. Chem.</i> 51(15):3038-3043.
	BM	NAPOLITANO et al. (1993), "Oxidation Chemistry of 5,6-Dihydroxy-2-methylindole," <i>Tetrahedron</i> 49(40):9143-9150.
	BN	PINDUR et al. (1987), "Reaktivität und Reaktionswege von Methylsubstituierten Bisindolylcarbenium-Ionen," <i>Journal of Heterocyclic Chemistry</i> 24(1):159-163.
	BO	VON DOBENECK et al. (1969), " α, β '-Diindolylmethane und -Methene. Der Urorosein-Chromophor," <i>Chemische Berichte</i> , 102(4):1347-1356.
	BP	WILLE et al. (2001), "Malassezin—A Novel Agonist of the Arylhydrocarbon Receptor from the Yeast <i>Malassezia furfur</i> ," <i>Bioorganic & Medicinal Chemistry</i> 9:955-960.

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.